

User Manual of Web Client (V2.3)

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Chapter 1 Software Installation

This web client is embedded in DVR, when you use web browser to get access to DVR, it will be downloaded automatically. Please decrease the internet security level to make sure that the ActiveX could be downloaded successfully. Open IE browser and select as following steps: Tools→Internet options→security→internet→custom level. As shown in Fig 1.1. In the setting list you should enable all the options about ActiveX control.

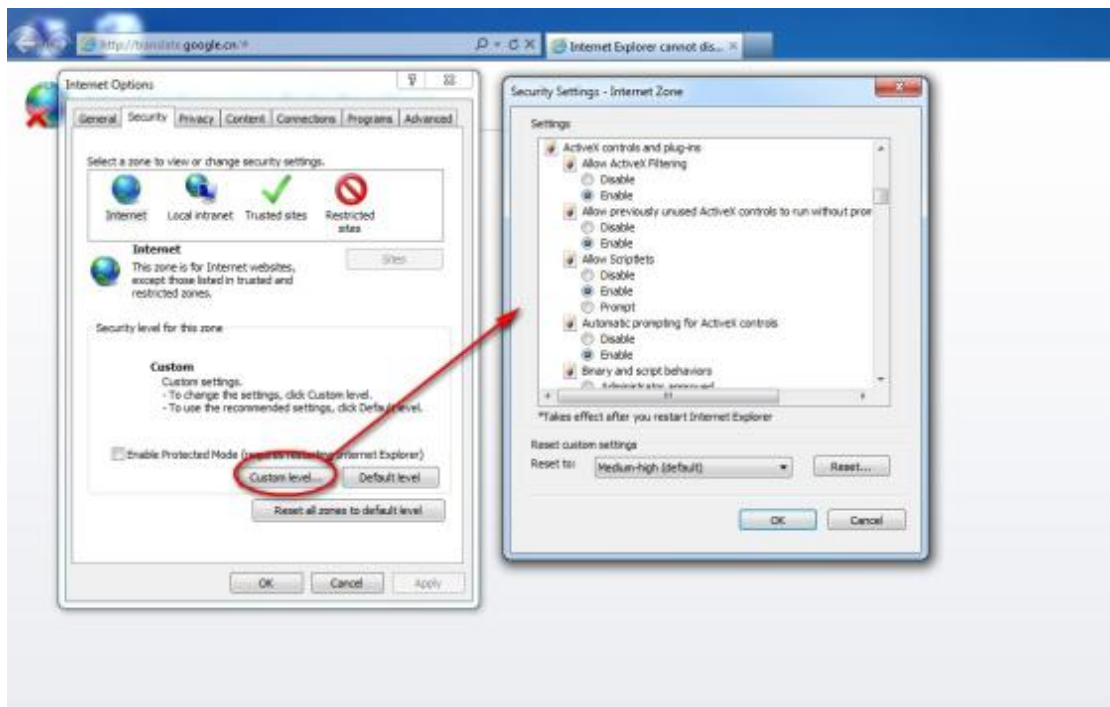


Fig 1.1

Input the IP address or domain name of DVR and press enter, the interface like Fig 1.2 will pop up.

If you can see the interface, the ActiveX has been downloaded successfully.

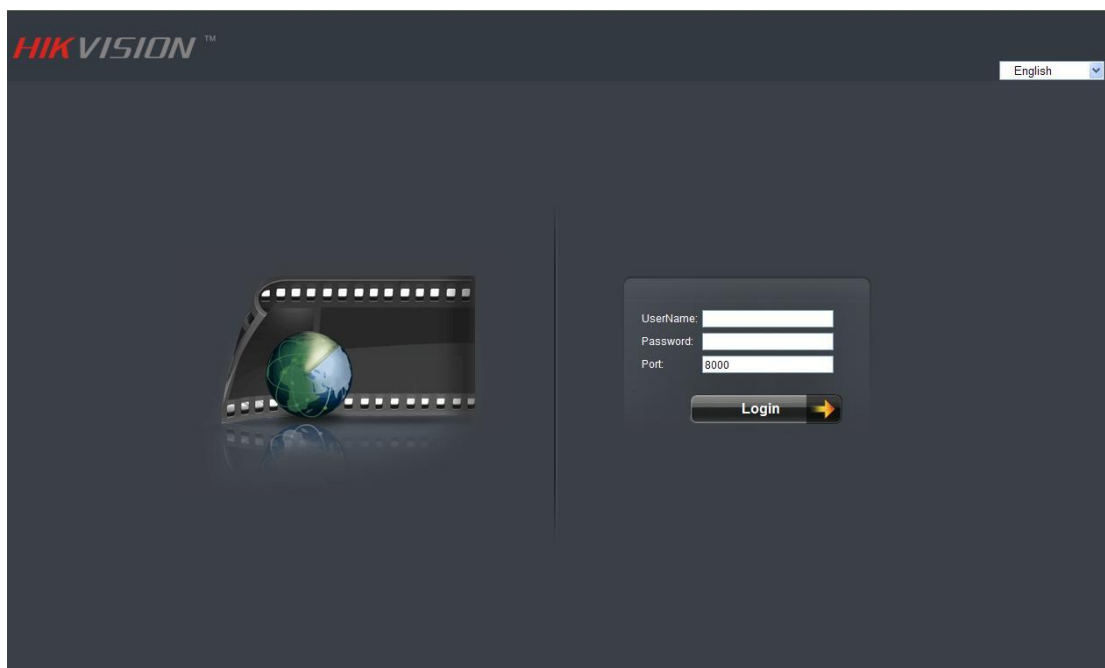


Fig 1.2

Chapter 2 Begin to Use

2.1 Login and Exit

Input username and password correctly to get access to the web client. As shown in Fig 2.1.

A login form with a dark gray background. It contains three input fields: 'UserName:' with the text 'admin', 'Password:' with five dots, and 'Port:' with the text '8000'. Below these fields is a 'Login' button with a yellow arrow pointing right.

Fig 2.1

After getting access to the web client, you can click exit then click OK in pop-up dialog box to exit.

As shown in Fig 2.2.

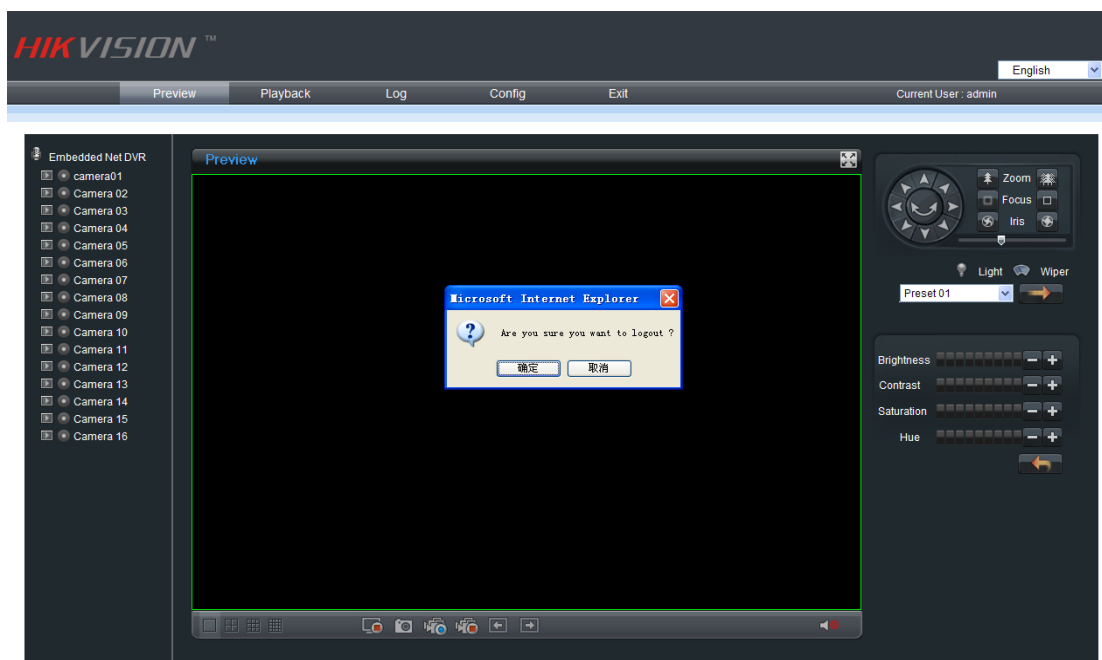
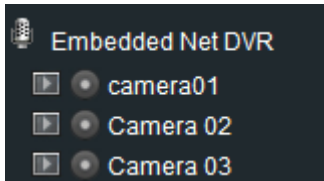



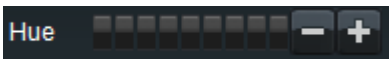

















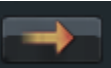



Fig 2.2

2.2 Preview Interface Instruction


1. Device name and channel name
2. Function and configuration column
3. PTZ control column
4. Image adjustment column
5. Function column
6. Preview mode column

1	 <p>Device name and channel name</p>	4 <div data-bbox="852 1518 1422 1576"> :Brightness </div> <div data-bbox="852 1599 1398 1657"> :Contrast </div> <div data-bbox="852 1680 1417 1738"> :Saturation </div> <div data-bbox="852 1760 1299 1818"> :Hue </div> <div data-bbox="852 1841 1155 1912"> : Color default </div>
---	---	---

<p>2</p> <p>Preview : Preview</p> <p>Playback : Remote Playback</p> <p>Config : Local and Remote Configuration</p> <p>Log : Log Search and View</p> <p>Exit : Exit</p>	<p>5</p> <p> : Stop All Preview</p> <p> : Capture</p> <p> : Start recording</p> <p> : Stop recording</p> <p> : Previous page</p> <p> :Next page</p> <p> : Audio On/Off</p> <p> : Full screen</p>
<p>3</p> <p> :PTZ direction</p> <p> Light  Wiper :light & wiper</p> <p> Zoom  : Zoom in & out</p> <p> Focus  : Focus</p> <p> Iris  : Iris</p> <p><input type="text" value="Preset 01"/>  :Preset</p>	<p>6</p> <p> Preview mode options</p>

2.3 Preview Image

Step 1 Select a preview mode.

Step 2 Select one split window and click  before channel name to start to preview.

Chapter 3 Playback

Playback interface is shown as Fig3.1.

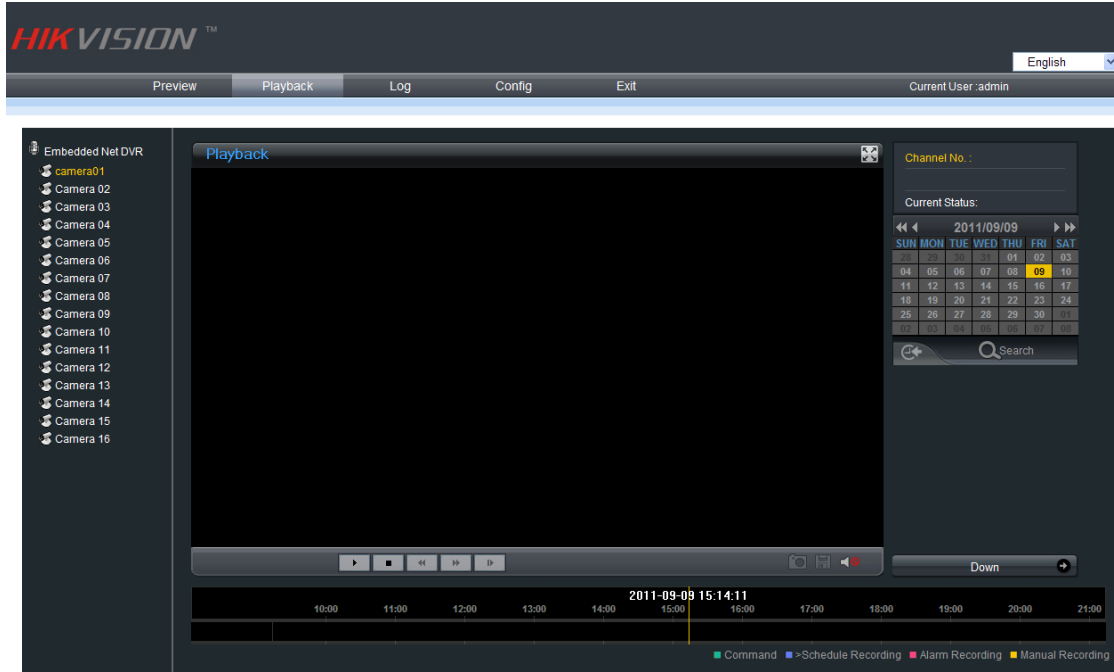

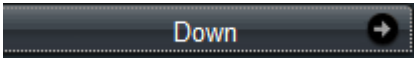



Fig 3.1

Select channel and date ,then click  to search record files.

Click  to download record files.

Chapter 4 Log

Select search type, start time and stop time then click  to search.

Shown as fig 4.1.

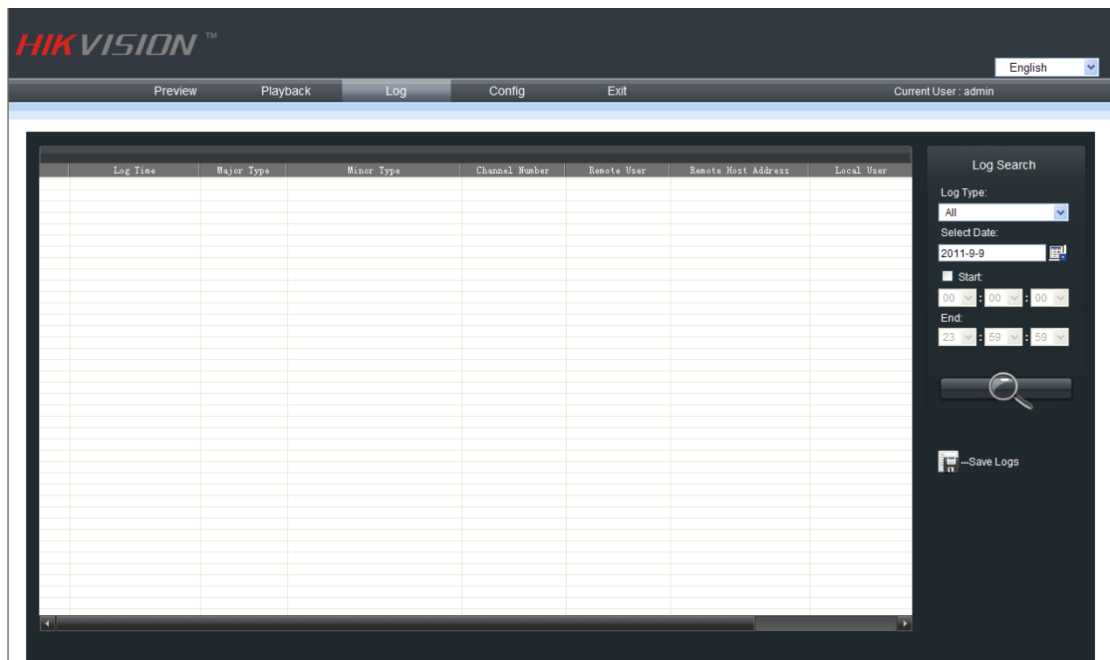


Fig 4.1

Select logs and click  to save logs.

Chapter 5 Configuration

Configuration interface is shown as Fig 5.1.

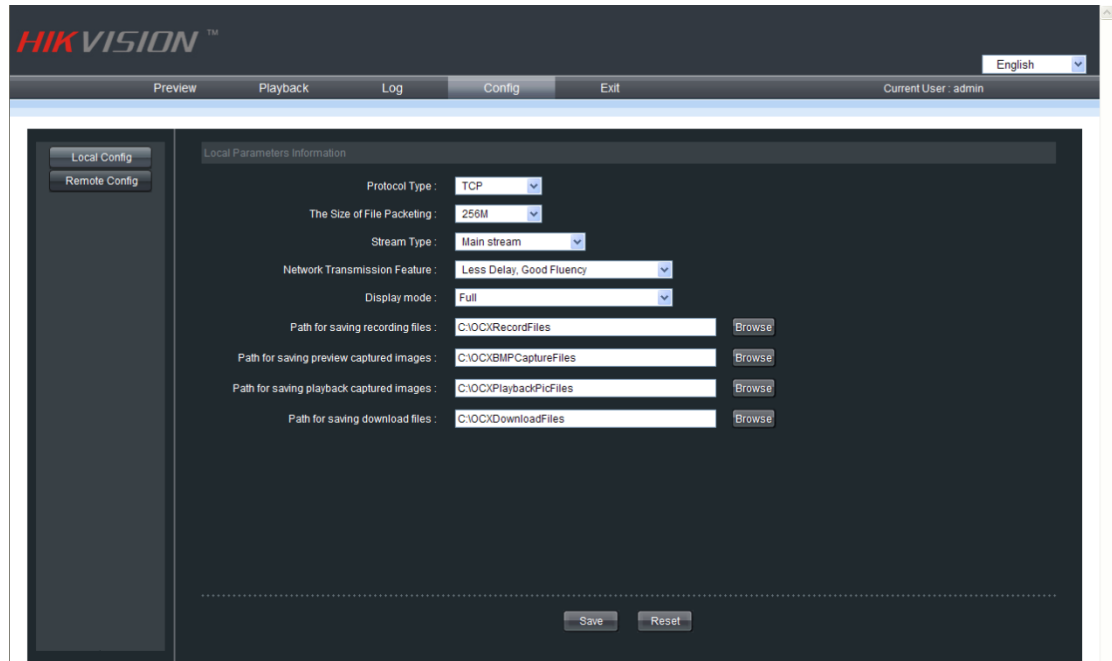
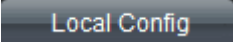


Fig 5.1

5.1 Local Configuration

Click  to enter the local parameters configuration interface. Shown as Fig 5.2.

Local Parameters Information

Protocol Type : TCP

The Size of File Packeting : 256M

Stream Type : Main stream

Network Transmission Feature : Less Delay, Good Fluency

Display mode : Full

Path for saving recording files : C:\OCXRecordFiles

Path for saving preview captured images : C:\OCXBMPCaptureFiles

Path for saving playback captured images : C:\OCXPlaybackPicFiles

Path for saving download files : C:\OCXDownloadFiles

Fig 5.2

Protocol Type: TCP and UDP can be selected.

The Size of File Packeting: Select the size of file packeting when recording via web client

Stream Type: Main stream and Sub stream can be selected.

Network Transmission Feature: Set delay and fluency mode.

Display mode: Set display mode.

Path for saving recording files: Set the path for saving recording files.

Path for saving preview captured images: Set the path for saving preview captured images

Path for saving playback captured images: Set the path or saving playback captured images

Path for saving download files: Set the path or saving download files

After configuration, click to save settings or click to reset local parameters.

5.2 Remote Configuration

Click to enter the remote parameters configuration interface. Shown as

Fig 5.3.

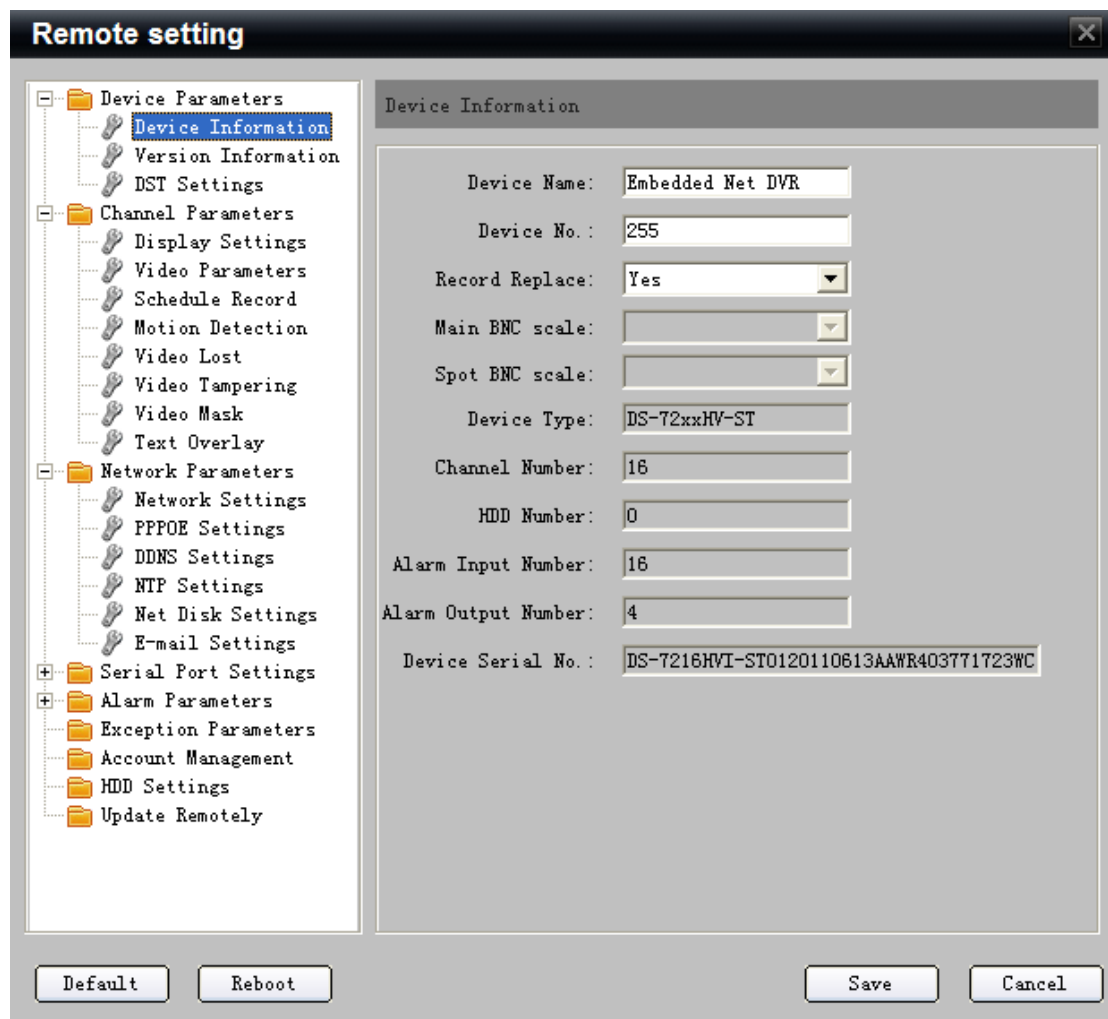
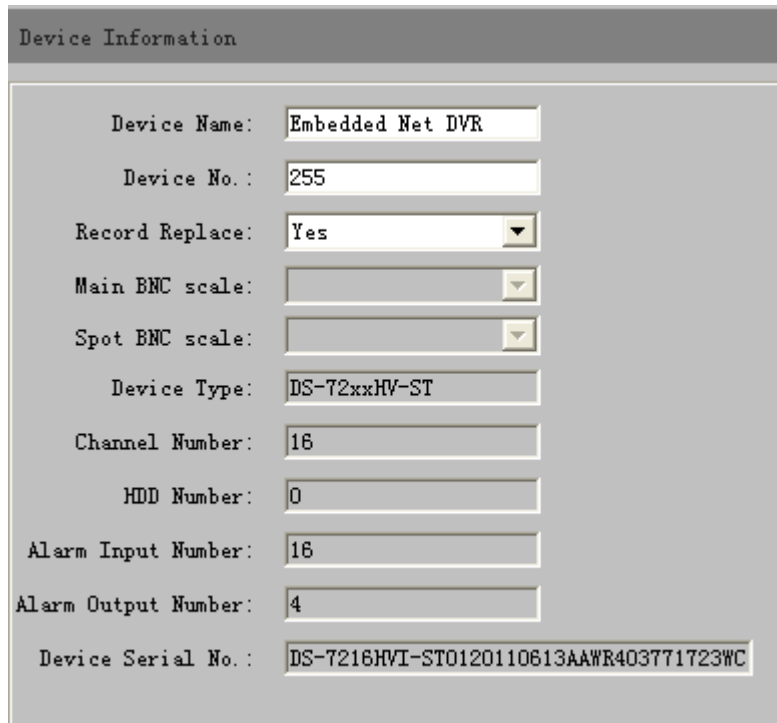


Fig 5.3

5.2.1 Device parameters



Select Device Parameters and click Device Information to get information of the device such as device name, device type, device serial NO etc. shown as Fig 5.4.



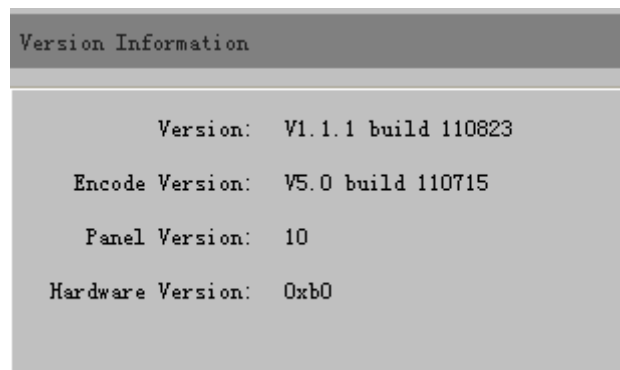
Device Information

Device Name:	Embedded Net DVR
Device No.:	255
Record Replace:	Yes
Main BNC scale:	
Spot BNC scale:	
Device Type:	DS-72xxHV-ST
Channel Number:	16
HDD Number:	0
Alarm Input Number:	16
Alarm Output Number:	4
Device Serial No.:	DS-7216HVI-ST0120110613AAWR403771723WC

Fig 5.4

Select  Device Parameters and click  Version Information to get version information.

Shown as Fig 5.5.

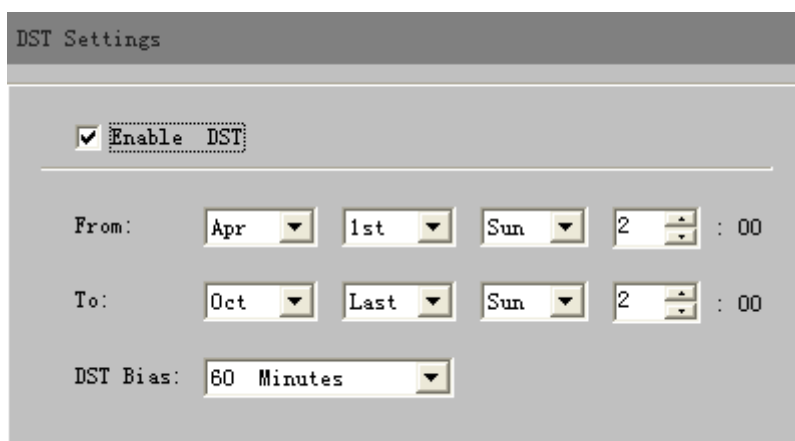


Version Information

Version:	V1.1.1 build 110823
Encode Version:	V5.0 build 110715
Panel Version:	10
Hardware Version:	0xb0

Fig 5.5

Select  Device Parameters and click  DST Settings to set DST. Click  to fill start time and end time. Shown as Fig 5.6.





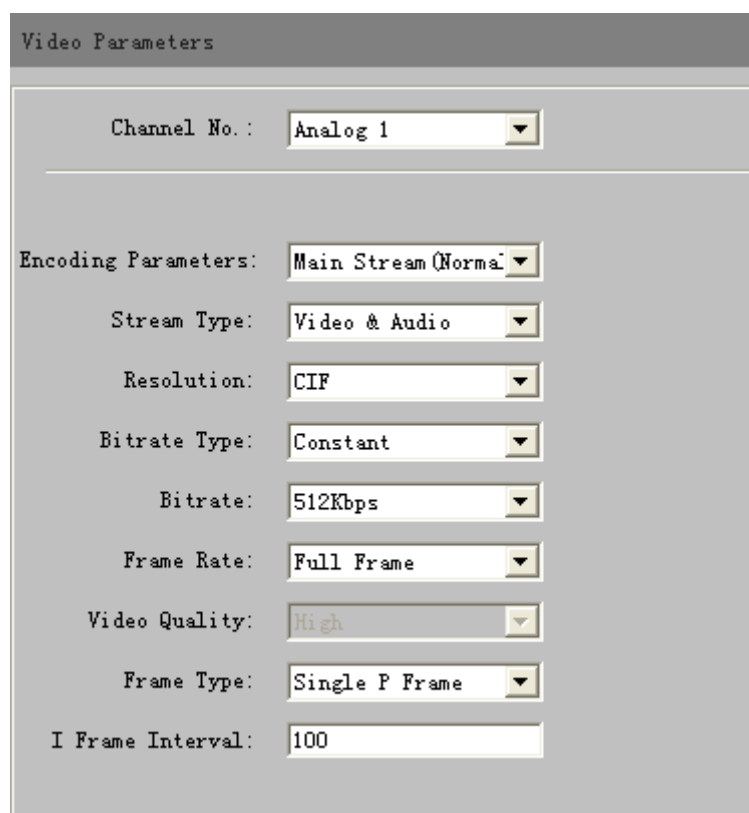
The image shows a 'DST Settings' window. At the top, there is a checked checkbox labeled 'Enable DST'. Below this, there are two rows of date and time selectors. The first row is labeled 'From:' and shows 'Apr', '1st', 'Sun', and '2 : 00'. The second row is labeled 'To:' and shows 'Oct', 'Last', 'Sun', and '2 : 00'. At the bottom, there is a 'DST Bias' dropdown menu set to '60 Minutes'.

Fig 5.6

5.2.2 Channel parameters

5.2.2.1 Video Parameters

Select  Channel Parameters and click  Video Parameters to enter encoding parameters configuration interface. Shown as Fig 5.7.






The image shows a 'Video Parameters' window. At the top, there is a 'Channel No.' dropdown menu set to 'Analog 1'. Below this, there is a section for 'Encoding Parameters' with several dropdown menus: 'Main Stream (Normal)', 'Video & Audio', 'CIF', 'Constant', '512Kbps', 'Full Frame', 'High', 'Single P Frame', and '100'.

Fig 5.7

Parameters	Description
Encoding Parameters	Main/Sub stream and Event Parameters
Stream Type	Video & Audio or Video stream
Resolution	Recording Resolution
Video Quality	Highest, higher, high, average, lower, lowest
Bitrate Type	Variable & Constant
Max Bitrate	Maximum bit rate of the compressed stream
Frame Rate	Record frame rate, from 1/16 to full frame
Frame Type	BBP,BP & Single P frame
I frame interval	The interval between 2 I frames

5.2.2.2 Schedule Record

Select  Channel Parameters and click  Schedule Record to enter configuration interface. Shown as Fig 5.8.

Enable recording by clicking the tick .

The "Schedule Record" window displays a configuration interface for recording. At the top, "Channel no." is set to "Analog 1". Below this, the "Enable Recording" checkbox is checked. A calendar grid shows days of the week (Mon-Sun) and hours (0-24). The grid is currently filled with blue, indicating a scheduled recording. A legend below the grid defines colors: Blue for Scheduled, Yellow for Motion, Red for Alarm, Pink for Motion | Alarm, Light Blue for Motion & Alarm, and Green for Command. At the bottom, there are buttons for "Record Time: Settings", "Advanced Settings: Settings", and "Copy to ...".

Fig 5.8


Click "Settings" of the "Record Time" to enter recording schedule configuration interface.

Select "Weekday" as some day of the week or the whole week for recording time.

Click for the recording type. The "All Day Recording" or 8 "Segments" can be selected as well. Shown as Fig 5.9.

The "Recording Schedule" window allows for detailed configuration of recording periods. It features a "Weekday:" dropdown set to "Monday" and a checked "All Day Recording" checkbox. Below, there are eight "Period" entries (Period1 to Period8). Each entry has a checkbox, a time range selector (e.g., 0 : 0 --- 24 : 0), and a recording type dropdown (all set to "Schedule Recording"). At the bottom, a "Copy to:" dropdown is set to "Whole Week", with "Copy", "OK", and "Cancel" buttons.

Fig 5.9

 Note: The time of each segment can't be overlapped.

Click “Settings” of the “Advanced settings” to enter advanced settings. you can set pre/post record time. Shown as Fig 5.10.

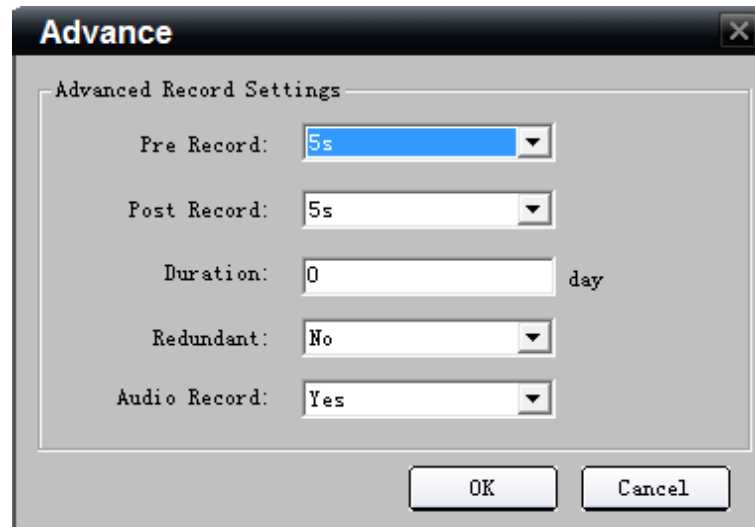



Fig 5.10

5.2.2.3 Motion Detection

Select  Channel Parameters and click  Motion Detection to enter motion detection recording interface. Shown as Fig 5.11.

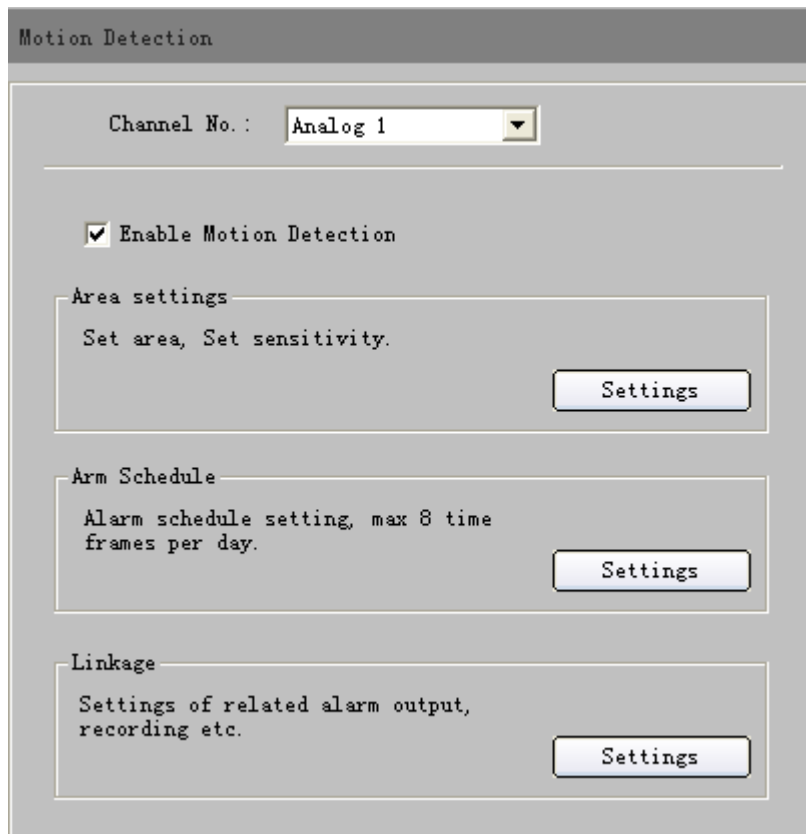


Fig 5.11

Step 1: Select channel number for motion detection. Shown as Fig 5.12

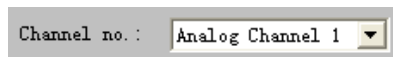


Fig 5.12

Step 2: Enable motion detection to activate “Setting Area”, “Arm Schedule” and “Linkage” settings.

Step 3: Set the motion detection area and sensitivity.

The sensitivity 1 and 6 are the lowest and the highest level.

Enable “Start Draw”, and select the detection area by using mouse. Shown as Fig 5.13



Fig 5.13

Step4: Set the detection time.

"Arm Schedule" can be one day or the whole week, and 8 segments for one day. Shown as

Fig 5.14

Arm Schedule

Weekday: Monday

<input checked="" type="checkbox"/> Period1	0	:	0	---	24	:	0
<input type="checkbox"/> Period2	0	:	0	---	0	:	0
<input type="checkbox"/> Period3	0	:	0	---	0	:	0
<input type="checkbox"/> Period4	0	:	0	---	0	:	0
<input type="checkbox"/> Period5	0	:	0	---	0	:	0
<input type="checkbox"/> Period6	0	:	0	---	0	:	0
<input type="checkbox"/> Period7	0	:	0	---	0	:	0
<input type="checkbox"/> Period8	0	:	0	---	0	:	0

Copy to: Whole Week Copy

OK Cancel

Fig 5.14

Step5: Set recording channel triggered by alarm.

Click "Settings" in "Linkage" menu and select "Trigger Recording" tab.

Enable the recording channels you want.

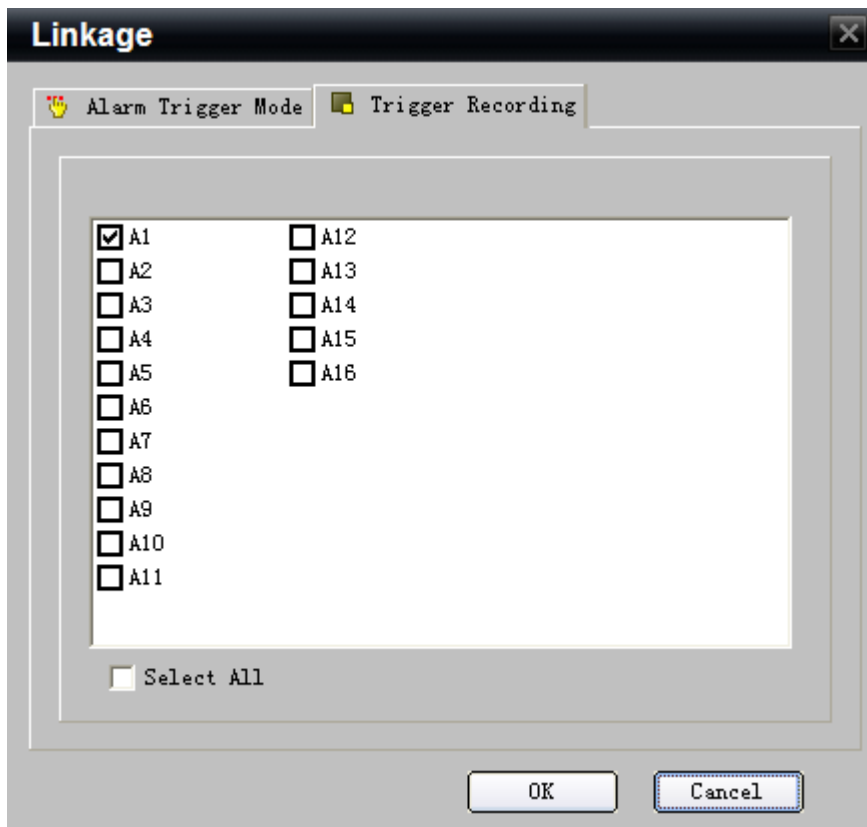


Fig 5.15

Step6: Enter schedule recording interface. Click ☒ Enable Recording to enable Recording.

Shown as 5.16

Schedule Record

Channel no. : Analog 1

☒ Enable Recording

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mon																									
Tue																									
Wed																									
Thu																									
Fri																									
Sat																									
Sun																									

Scheduled

Motion

Alarm

Motion | Alarm

Motion & Alarm

Command

Record Time: Settings

Advanced Settings: Settings

Copy to ...

Fig 5.16

Step7: Set the recording time for motion detection.

Click “Settings” of “Record Time”.

Select “Weekday” as some day of the week or the whole week for recording time.

Set the record type to be Motion Detection. Shown as Fig 5.17

The “All Day Record” or 8 “Segments” can be selected as well.

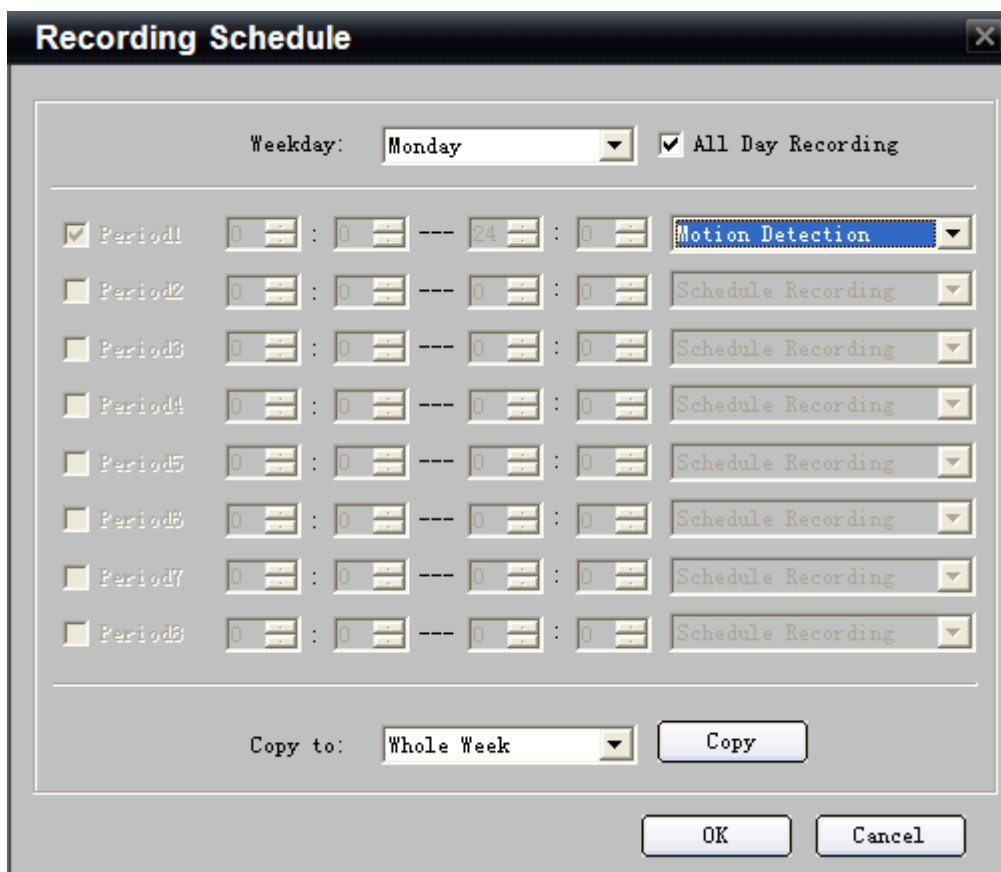





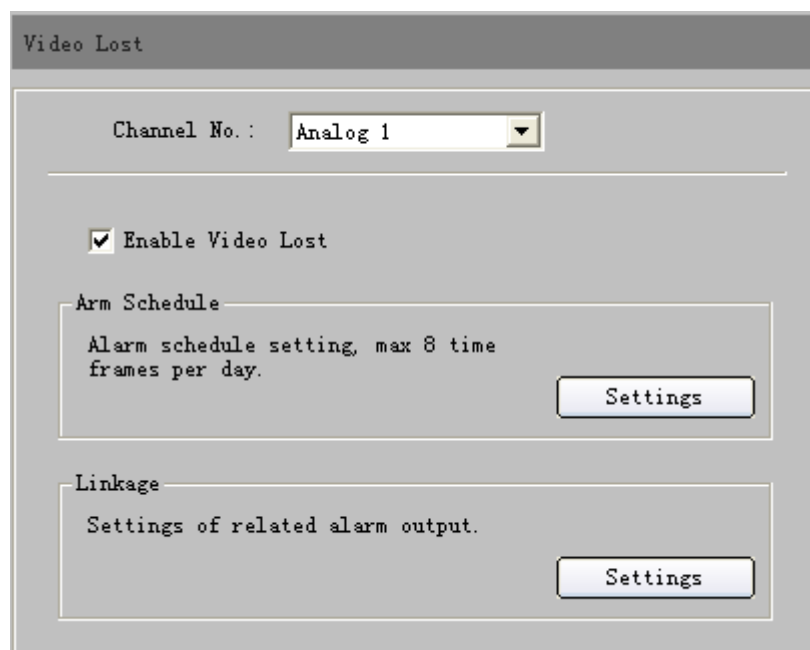
Fig 5.17

 Note: The time of each segment can not be overlapped.

5.2.2.4 Video Lost

Select  Channel Parameters and click  Video Lost to enter configuration interface.

Shown as Fig 5.18.



Video Lost

Channel No.: Analog 1

☒ Enable Video Lost

Arm Schedule
Alarm schedule setting, max 8 time frames per day.

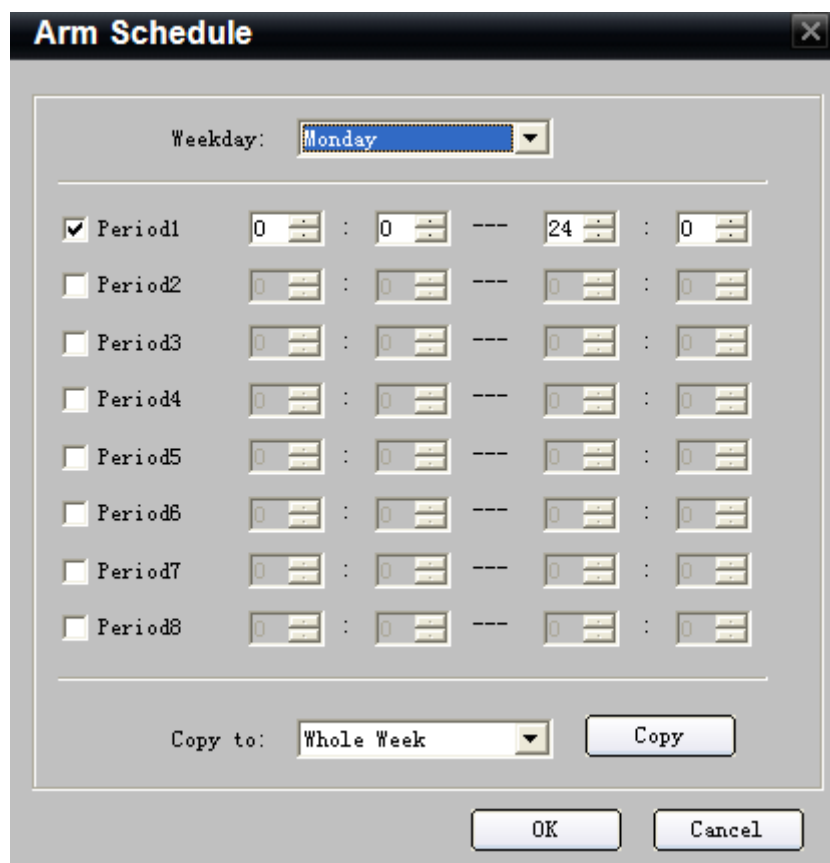
Settings

Linkage
Settings of related alarm output.

Settings

Fig 5.18

Click **Enable Video Lost** to set arm schedule and linkage. Shown as Fig 5.19 and 5.20.



Arm Schedule

Weekday: Monday

<input checked="" type="checkbox"/> Period1	0 : 0	---	24 : 0
<input type="checkbox"/> Period2	0 : 0	---	0 : 0
<input type="checkbox"/> Period3	0 : 0	---	0 : 0
<input type="checkbox"/> Period4	0 : 0	---	0 : 0
<input type="checkbox"/> Period5	0 : 0	---	0 : 0
<input type="checkbox"/> Period6	0 : 0	---	0 : 0
<input type="checkbox"/> Period7	0 : 0	---	0 : 0
<input type="checkbox"/> Period8	0 : 0	---	0 : 0

Copy to: Whole Week

Copy

OK Cancel

Fig 5.19

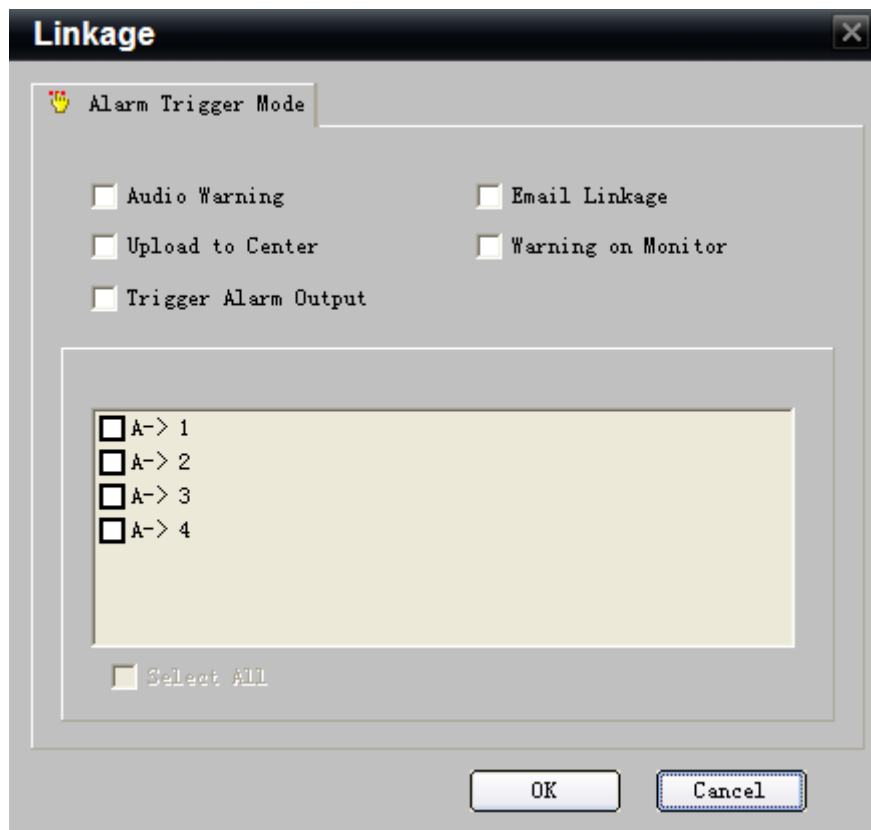




Fig 5.20

5.2.2.5 Video Tampering

Select  Channel Parameters and click  Video Tampering to enter configuration interface. Shown as Fig 5.21.

Video Tampering

Channel No. : Analog 1

☒ Enable Video Tampering

Area settings

Set area, Set sensitivity, Only 1 area can be set up.

Settings

Arm Schedule

Alarm schedule setting, max 8 time frames per day.

Settings

Linkage

Settings of related alarm output.

Settings

Fig 5.21

Set the tamper area and sensitivity, shown as Fig 5.22.

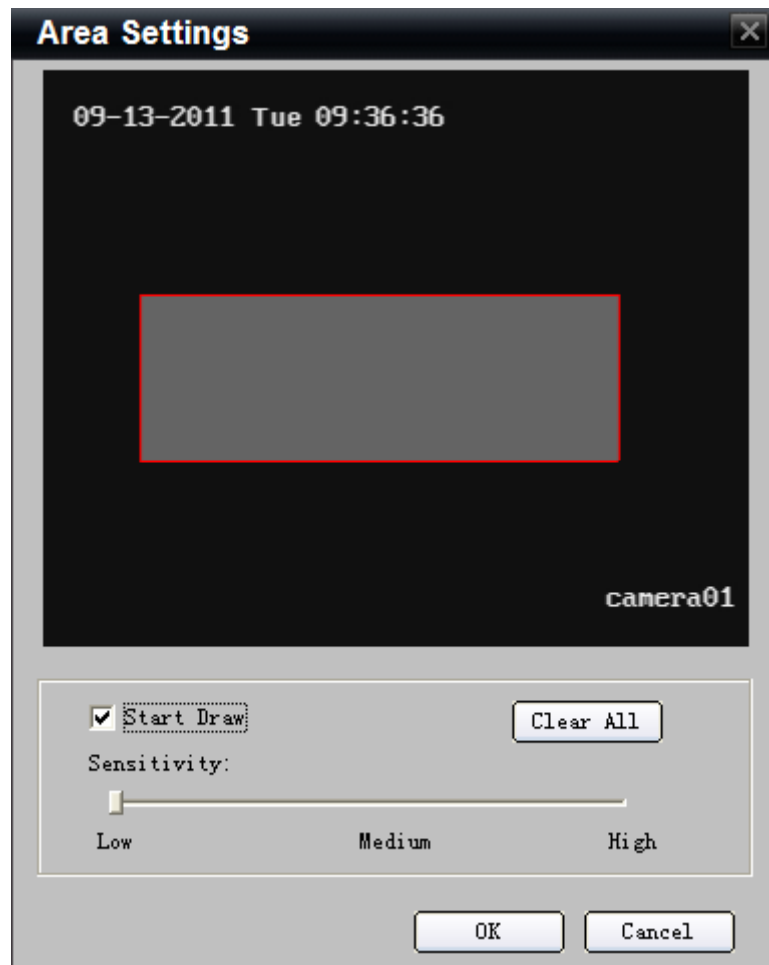
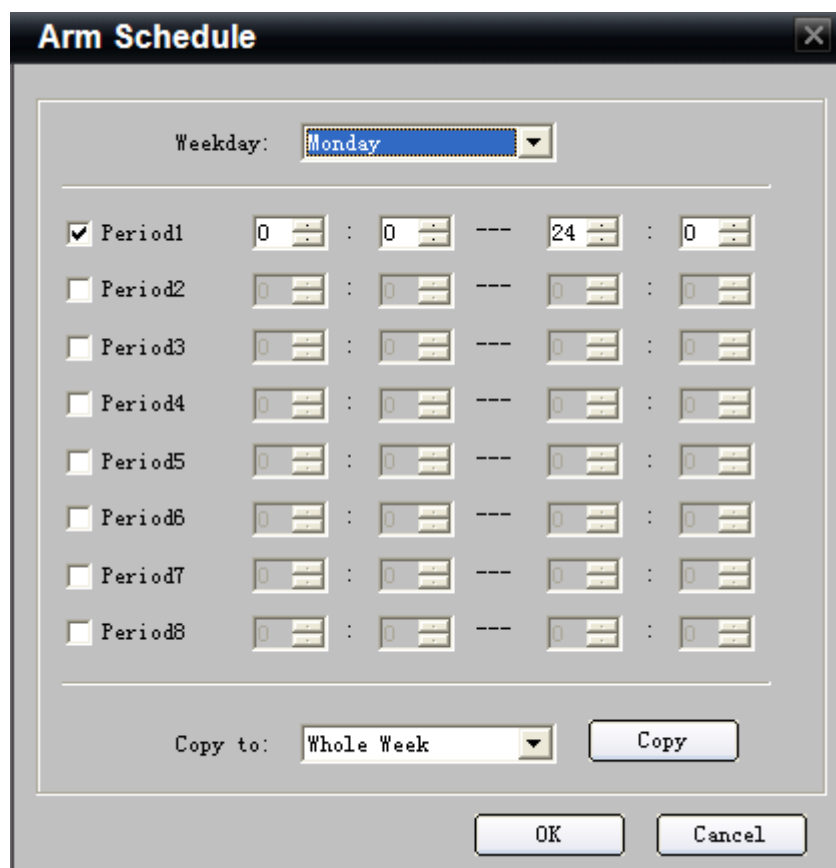


Fig 5.22

Set the arm schedule, shown as Fig 5.23.



Arm Schedule

Weekday: Monday

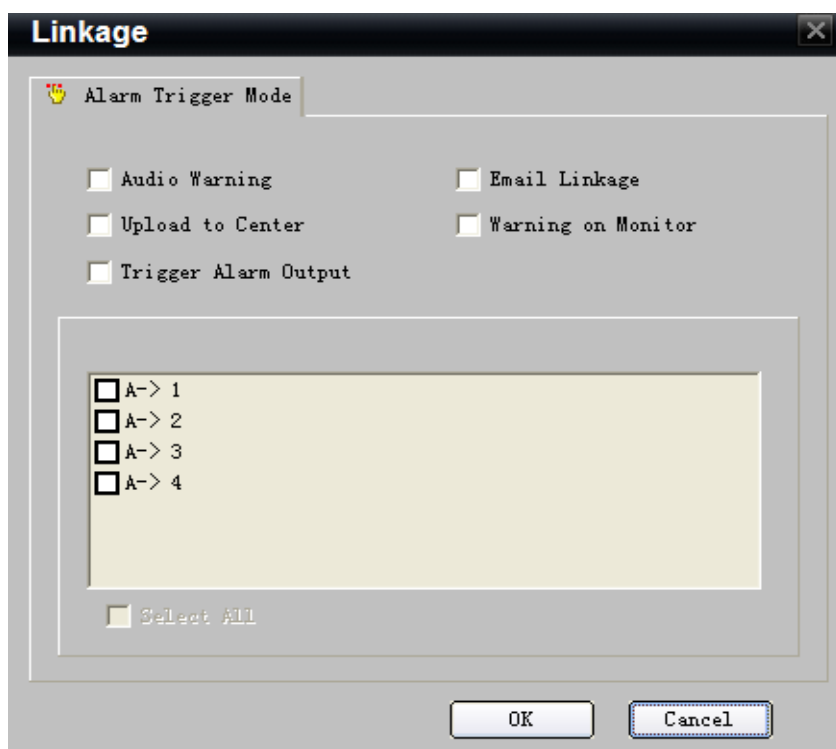
<input checked="" type="checkbox"/> Period1	0	:	0	---	24	:	0
<input type="checkbox"/> Period2	0	:	0	---	0	:	0
<input type="checkbox"/> Period3	0	:	0	---	0	:	0
<input type="checkbox"/> Period4	0	:	0	---	0	:	0
<input type="checkbox"/> Period5	0	:	0	---	0	:	0
<input type="checkbox"/> Period6	0	:	0	---	0	:	0
<input type="checkbox"/> Period7	0	:	0	---	0	:	0
<input type="checkbox"/> Period8	0	:	0	---	0	:	0

Copy to: Whole Week Copy

OK Cancel

Fig 5.23

Set the linkage, shown as Fig 5.24.



Linkage

Alarm Trigger Mode

<input type="checkbox"/> Audio Warning	<input type="checkbox"/> Email Linkage
<input type="checkbox"/> Upload to Center	<input type="checkbox"/> Warning on Monitor
<input type="checkbox"/> Trigger Alarm Output	



☐ A-> 1
☐ A-> 2
☐ A-> 3
☐ A-> 4

☐ Select All

OK Cancel

Fig 5.24

5.2.2.5 Video Mask

Select  Channel Parameters and click  Video Mask to enter configuration interface.

Shown as Fig 5.25.

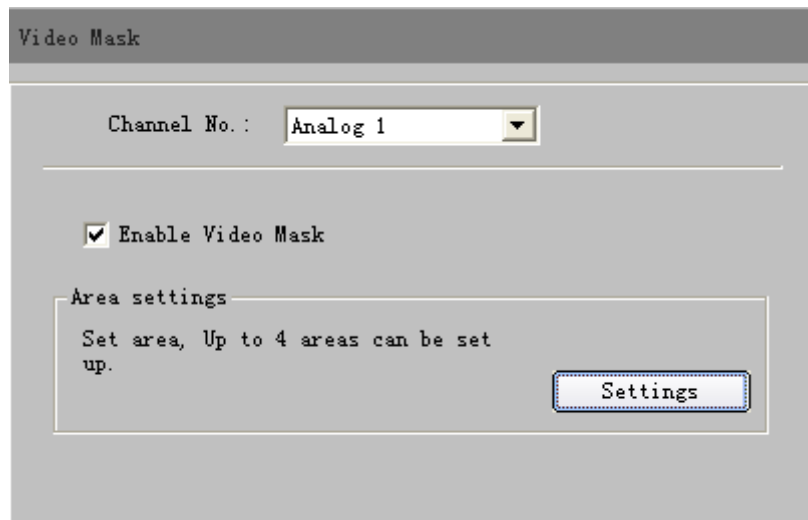


Fig 5.25

Set the video mask area, shown as Fig 5.26.



Fig 5.26

5.2.2.6 Text Overlay

Select  Channel Parameters and click  Text Overlay to enter configuration interface. Shown as Fig 5.27.

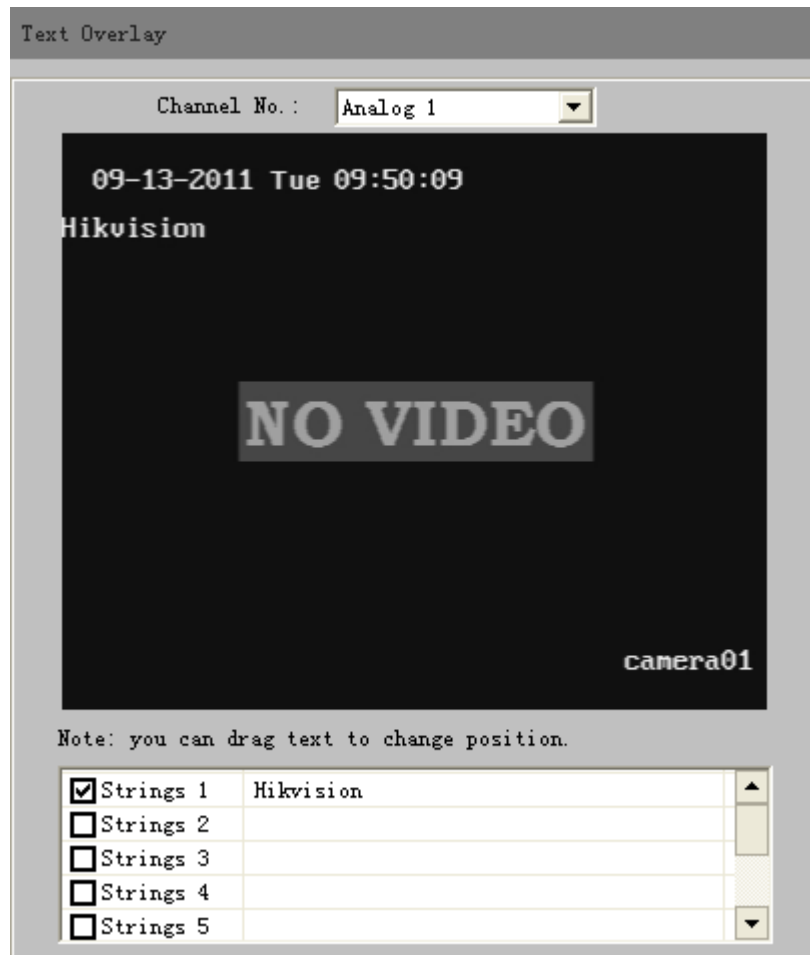


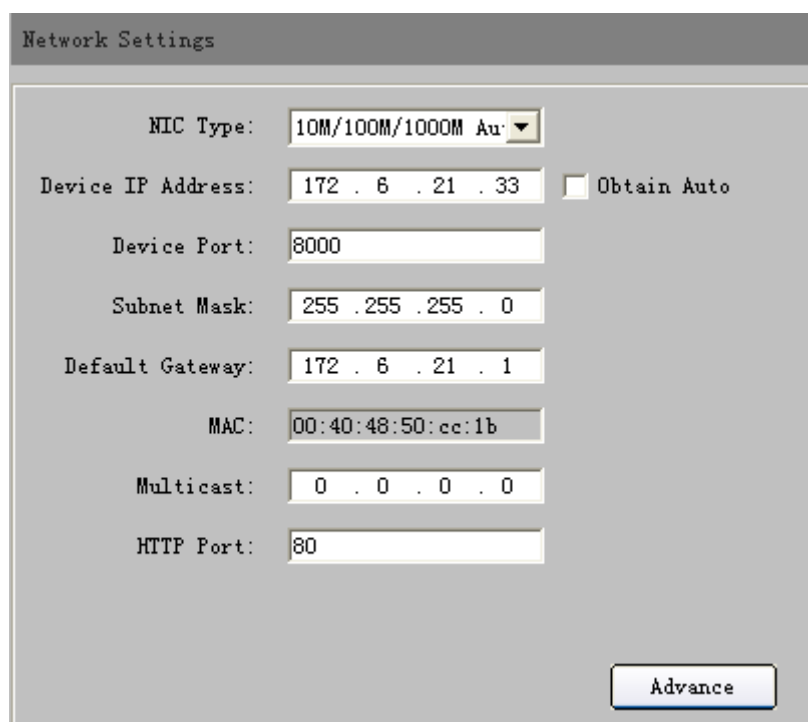


Fig 5.27

5.2.3 Network Parameters

5.2.3.1 Network Settings

Select  Network Parameters and click  Network Settings to enter configuration interface. Shown as Fig 5.28.



Network Settings

NIC Type: 10M/100M/1000M Au ▾

Device IP Address: 172 . 6 . 21 . 33 ☐ Obtain Auto

Device Port: 8000

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 172 . 6 . 21 . 1

MAC: 00:40:48:50:cc:1b

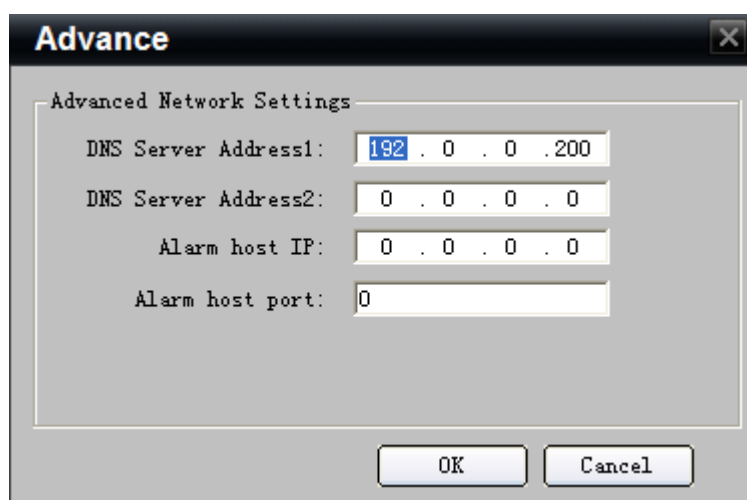
Multicast: 0 . 0 . 0 . 0

HTTP Port: 80

Advance

Fig 5.28

Click Advance to configure advanced settings. Shown as Fig 5.29.



Advance

Advanced Network Settings

DNS Server Address1: 192 . 0 . 0 . 200

DNS Server Address2: 0 . 0 . 0 . 0



Alarm host IP: 0 . 0 . 0 . 0

Alarm host port: 0

OK Cancel

Fig 5.29

5.2.3.2 PPPOE Settings

Select  Network Parameters and click  PPPOE Settings to enter configuration interface. Shown as Fig 5.30.

PPPOE Settings

☒ Enable PPPOE

DDNS IP: 0 . 0 . 0 . 0

User Name:

Password:

Confirm Password:

Fig 5.30

5.2.3.3 DDNS Settings

Select Network Parameters and click DDNS Settings to enter configuration interface. Shown as Fig 5.31.

DDNS Settings

☒ Enable DDNS

Protocol Type: IpServer

Server Name: 172.6.21.112

Port: 7070

User Name:

Password:

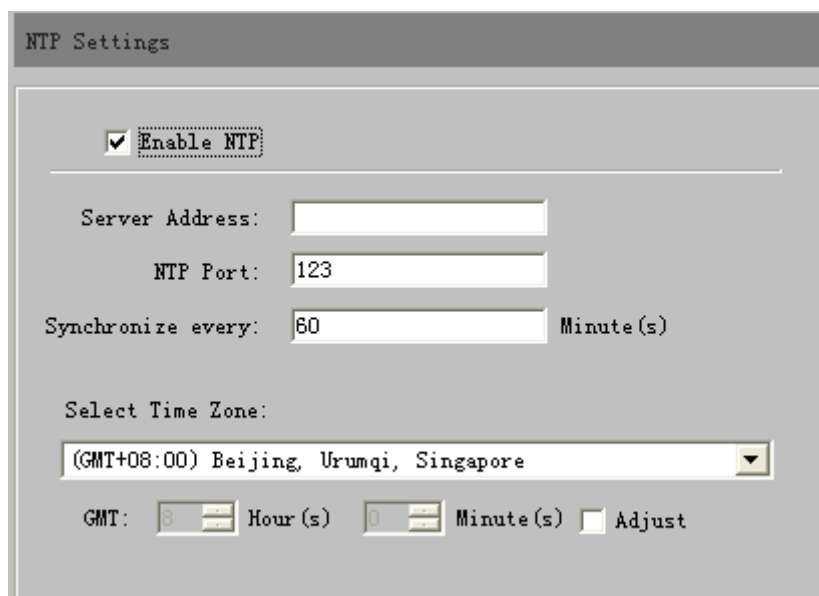
Confirm Password:

Domain:

Fig 5.31

5.2.3.4 NTP Settings

Select Network Parameters and click NTP Settings to enter configuration interface. Shown as Fig 5.32.



NTP Settings

☒ Enable NTP

Server Address:

NTP Port:

Synchronize every: Minute(s)

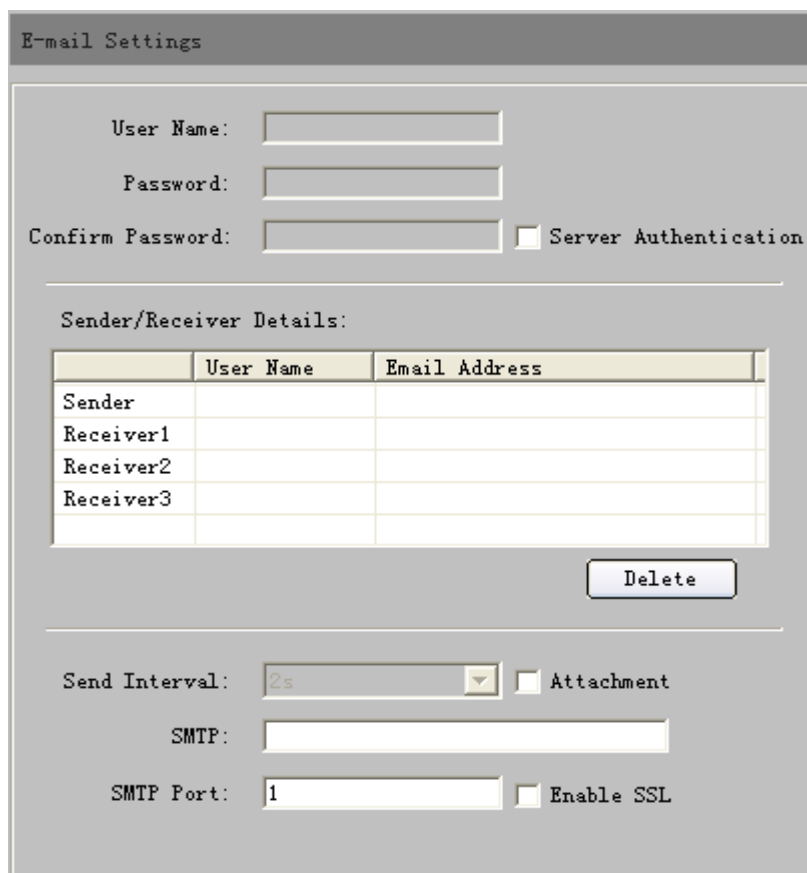
Select Time Zone:

GMT: Hour(s) Minute(s) ☐ Adjust

Fig 5.32

5.2.3.5 Email Settings

Select  Network Parameters and click  E-mail Settings to enter configuration interface. Shown as Fig 5.33.



E-mail Settings

User Name:

Password:

Confirm Password: ☐ Server Authentication

Sender/Receiver Details:

	User Name	Email Address
Sender		
Receiver1		
Receiver2		
Receiver3		

Send Interval: ☐ Attachment

SMTP:

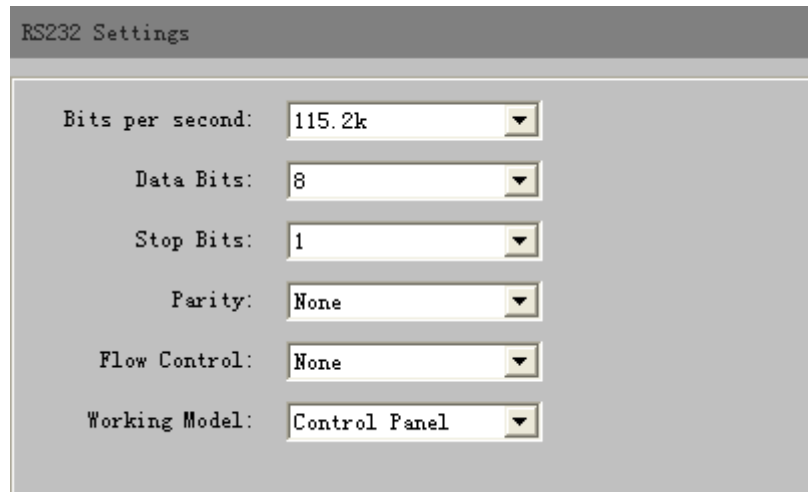
SMTP Port: ☐ Enable SSL

Fig 5.33

5.2.4 Serial Port Settings

5.2.4.1 RS-232 Settings

Select  Serial Port Settings and click  RS232 Settings to enter configuration interface. Shown as Fig 5.34.



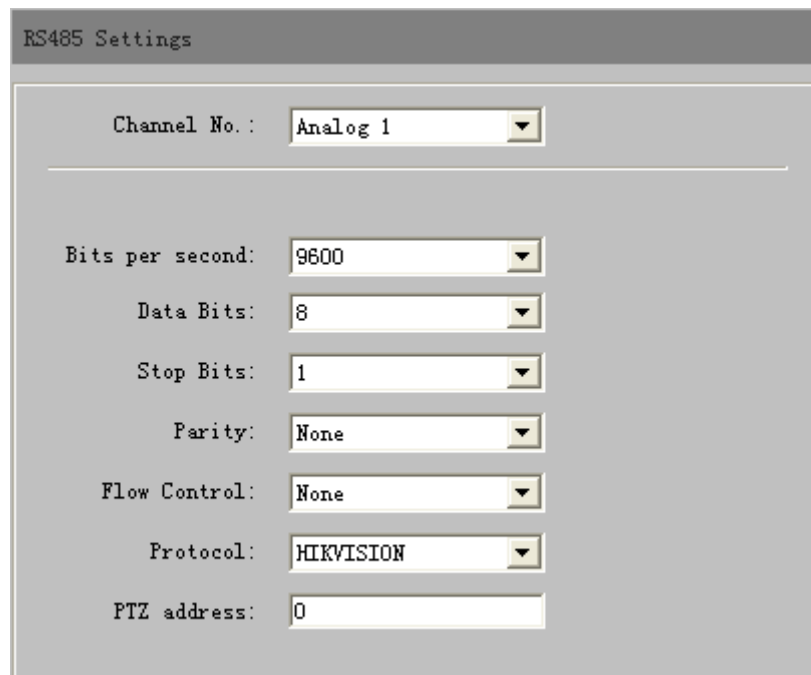
The image shows a dialog box titled "RS232 Settings". It contains several configuration options, each with a label and a dropdown menu:

- Bits per second: 115.2k
- Data Bits: 8
- Stop Bits: 1
- Parity: None
- Flow Control: None
- Working Model: Control Panel

Fig 5.34

5.2.4.2 RS-485 Settings

Select  Serial Port Settings and click  RS485 Settings to enter configuration interface. Shown as Fig 5.35.





The image shows a software window titled "RS485 Settings". It contains several configuration options, each with a label and a dropdown menu or text field. The options are: "Channel No.:" set to "Analog 1", "Bits per second:" set to "9600", "Data Bits:" set to "8", "Stop Bits:" set to "1", "Parity:" set to "None", "Flow Control:" set to "None", "Protocol:" set to "HIKVISION", and "PTZ address:" set to "0".

Label	Value
Channel No.:	Analog 1
Bits per second:	9600
Data Bits:	8
Stop Bits:	1
Parity:	None
Flow Control:	None
Protocol:	HIKVISION
PTZ address:	0

Fig 5.35

5.2.5 Alarm Parameters

5.2.5.1 Alarm Input Settings

Select  Alarm Parameters and click  Alarm Input Settings to enter configuration interface. Shown as Fig 5.36.

Alarm Input Settings

Alarm Input: A-> 1

IP Address: Local

Alarm Name: (Cannot Copy)

Alarm Status: NO

☒ Alarm Handle

Arm Schedule

Alarm schedule setting, maximum 8 time frames per day.

Settings

Linkage Method

Alarm Trigger Mode, Trigger Recording, PTZ Linkage.

Settings

Copy to ...

Fig 5.36

Set the alarm schedule, shown as Fig 5.37.

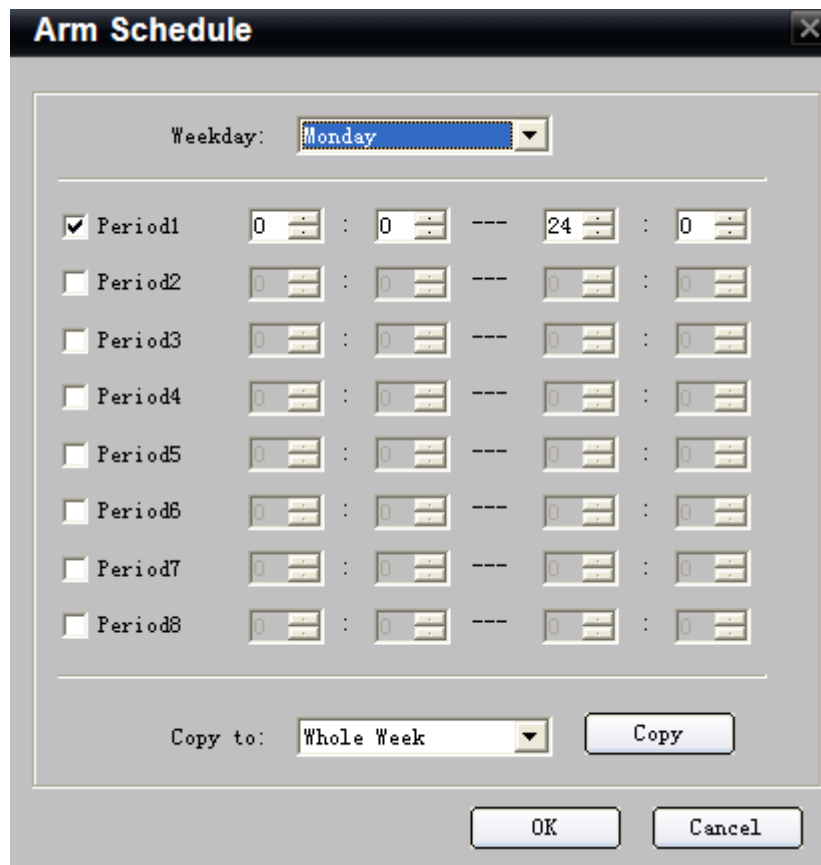


Fig 5.37

Set linkage mode, shown as Fig 5.38

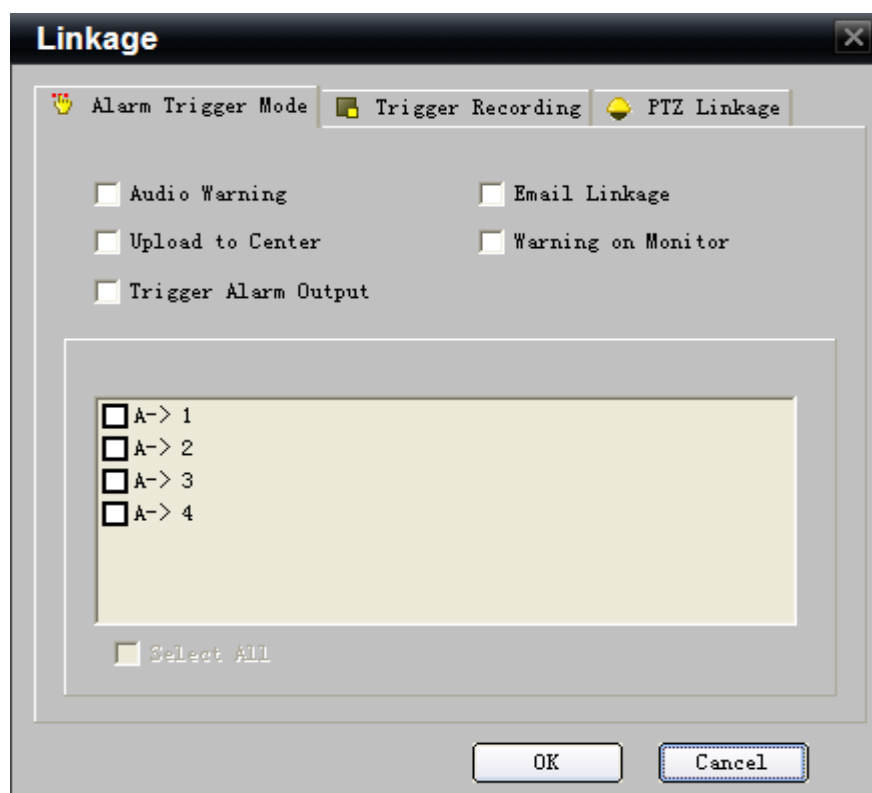


Fig 5.38

Set linkage trigger recording, shown as Fig 5.39.

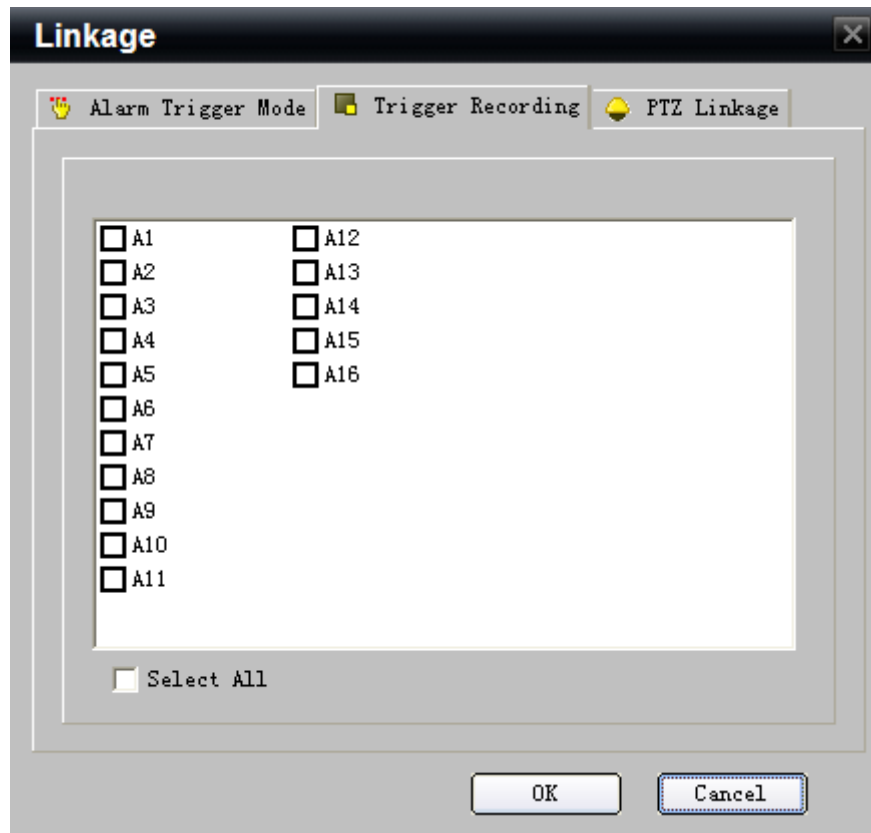


Fig 5.39

Set PTZ linkage, shown as Fig 5.40.

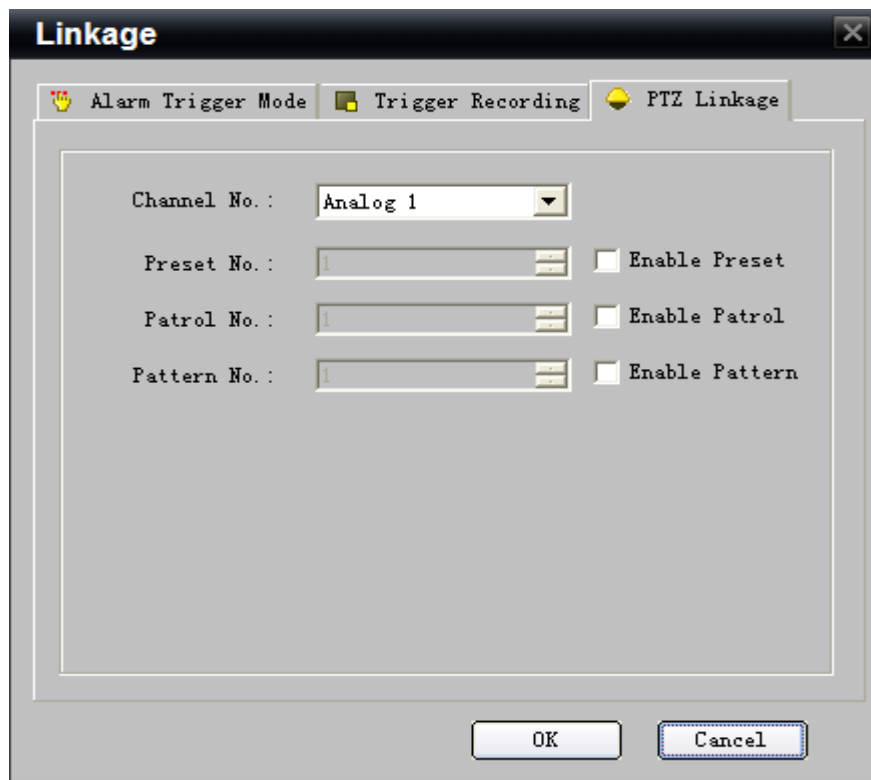


Fig 5.40

5.2.5.12 Alarm Output Settings

Select Alarm Parameters and click Alarm Output Settings to enter configuration interface. Shown as Fig 5.41.

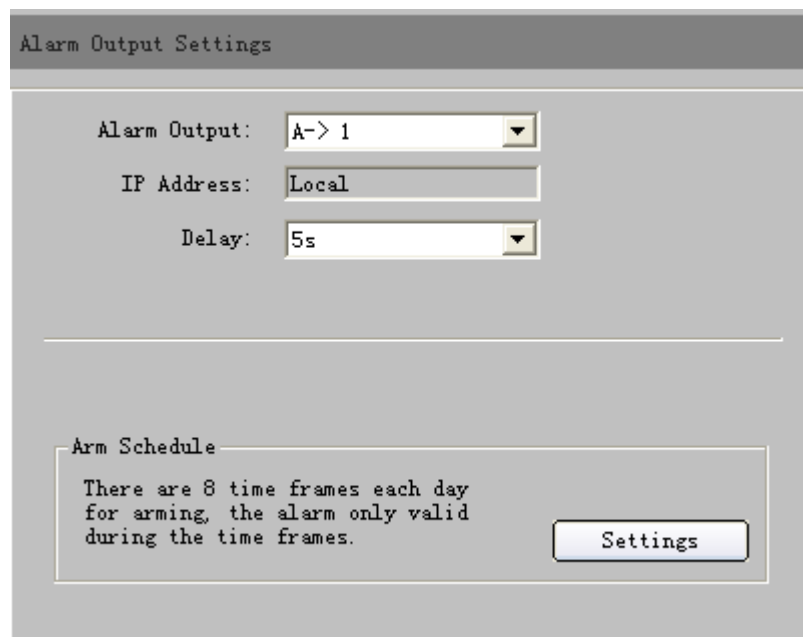
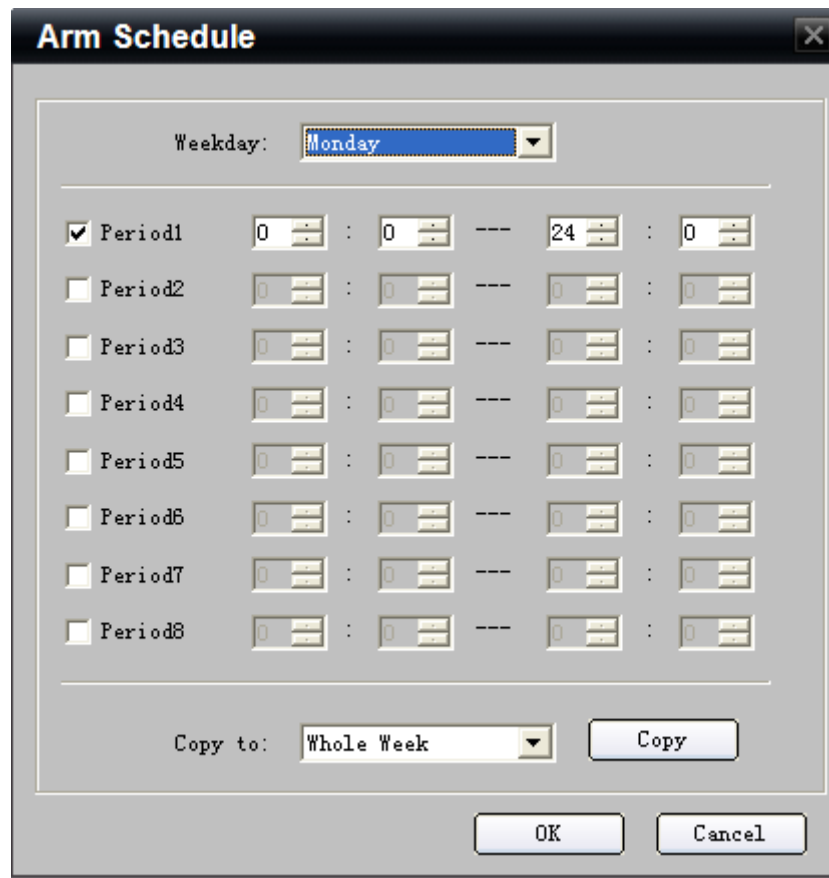


Fig 5.41

Set alarm schedule, shown as Fig5.42.




The 'Arm Schedule' dialog box features a title bar with a close button. Inside, a 'Weekday:' dropdown menu is set to 'Monday'. Below this is a list of eight periods, each with a checkbox and a time range field. 'Period1' is selected with a checkmark and shows a time range of 00:00 to 24:00. The other periods (Period2 through Period8) are not selected and show 00:00 to 00:00. At the bottom, a 'Copy to:' dropdown menu is set to 'Whole Week', followed by a 'Copy' button. The dialog concludes with 'OK' and 'Cancel' buttons.

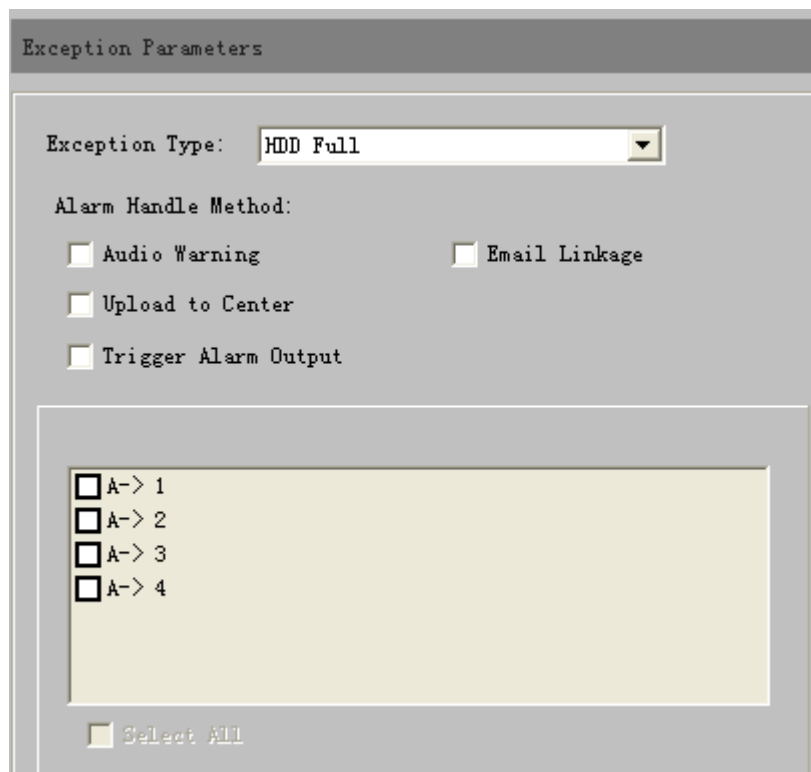
Period	Start Time	End Time
<input checked="" type="checkbox"/> Period1	00	24
<input type="checkbox"/> Period2	00	00
<input type="checkbox"/> Period3	00	00
<input type="checkbox"/> Period4	00	00
<input type="checkbox"/> Period5	00	00
<input type="checkbox"/> Period6	00	00
<input type="checkbox"/> Period7	00	00
<input type="checkbox"/> Period8	00	00

Fig 5.42

5.2.6 Other Settings

5.2.6.1 Exception parameters

Select  Exception Parameters to enter configuration interface. Shown as Fig 5.43.



The image shows a software window titled "Exception Parameters". It contains a dropdown menu for "Exception Type" with "HDD Full" selected. Below this is a section for "Alarm Handle Method" with four checkboxes: "Audio Warning", "Email Linkage", "Upload to Center", and "Trigger Alarm Output". At the bottom, there is a list of four items: "A-> 1", "A-> 2", "A-> 3", and "A-> 4", each with an unchecked checkbox. A "Select All" checkbox is located at the bottom left of the list area.

Exception Parameters

Exception Type:

Alarm Handle Method:

☐ Audio Warning ☐ Email Linkage

☐ Upload to Center

☐ Trigger Alarm Output

☐ A-> 1

☐ A-> 2


☐ A-> 3

☐ A-> 4

☐ Select All

Fig 5.43

5.2.6.2 Account management

Select  Account Management to enter configuration interface. Shown as Fig 5.44.

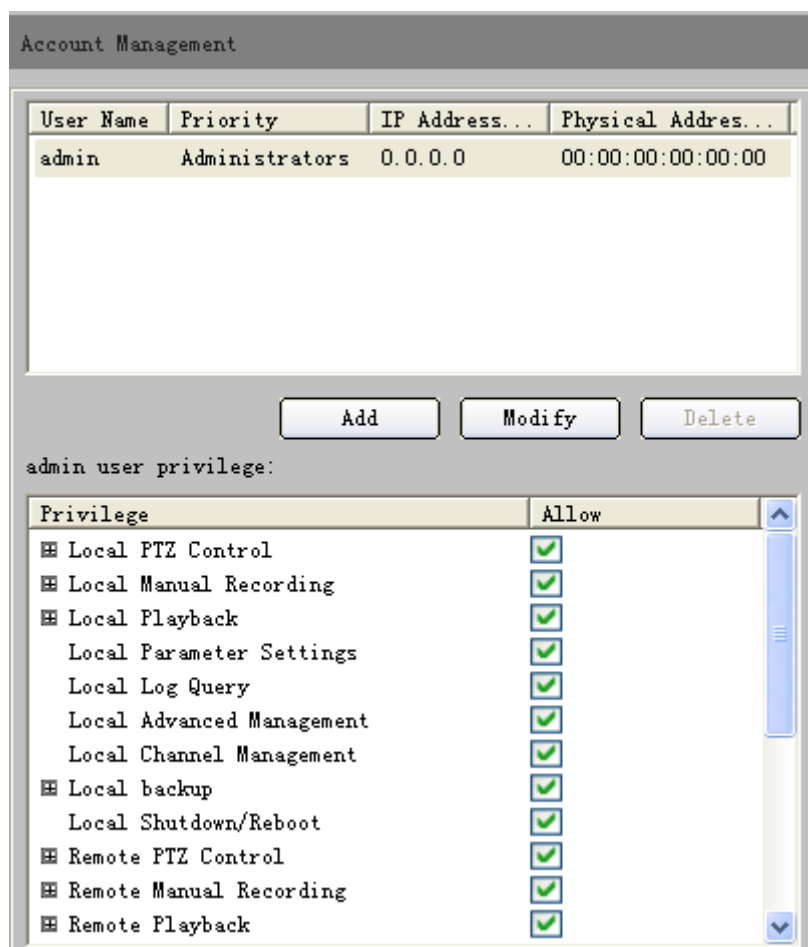


Fig 5.44

You can add or delete accounts and configure account's IP and permission by ticking ☒ .

5.2.6.3 HDD Settings

Select  HDD Settings to enter configuration interface. Shown as Fig 5.45.

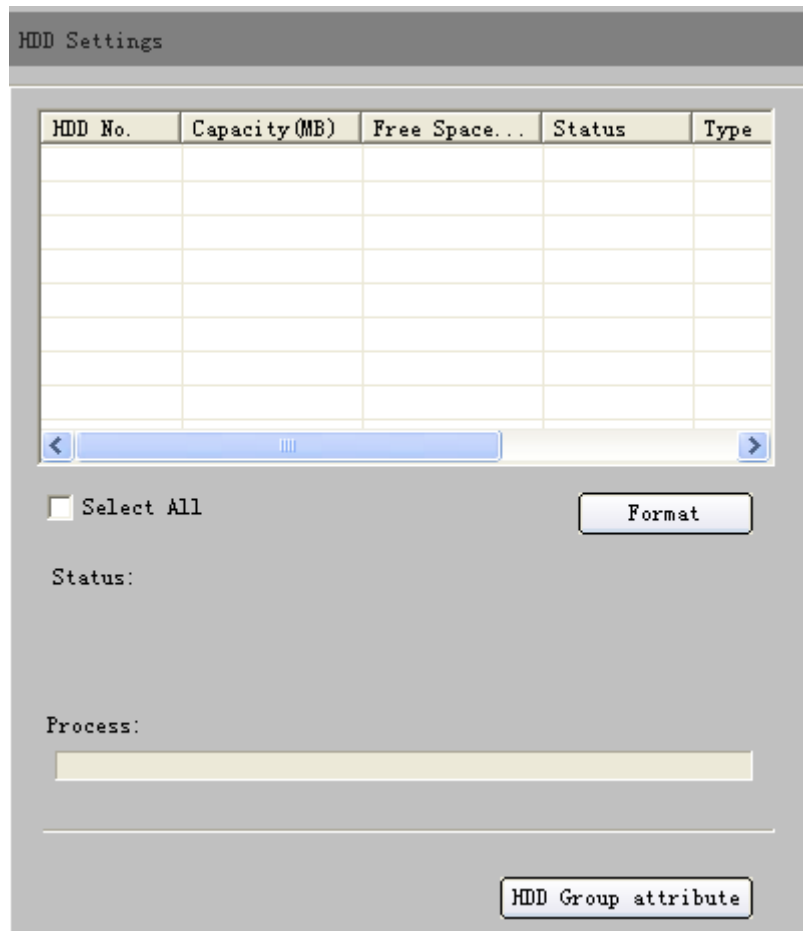


Fig 5.45

Click HDD Group attribute to attribute HDD groups, shown as Fig 5.46.

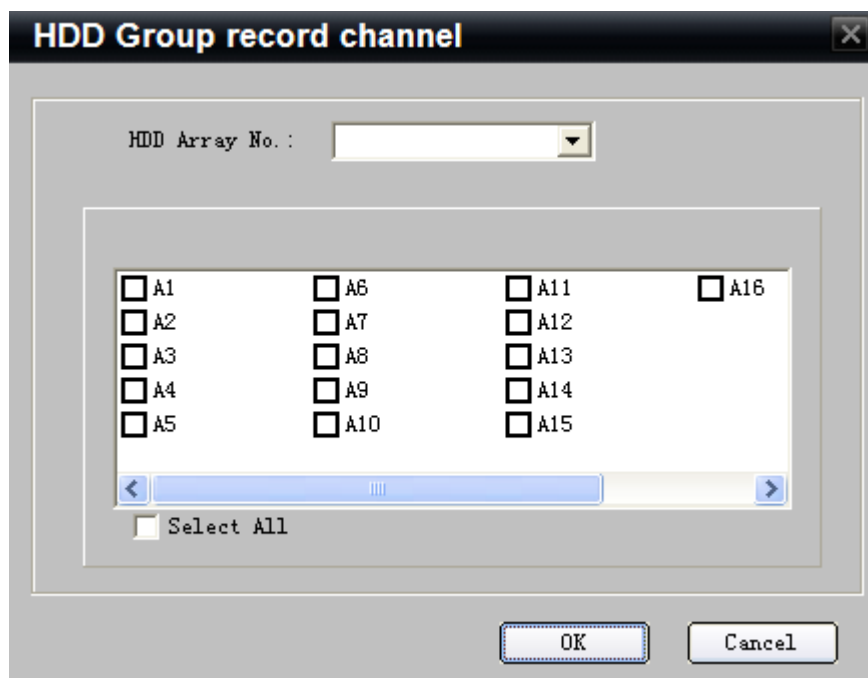

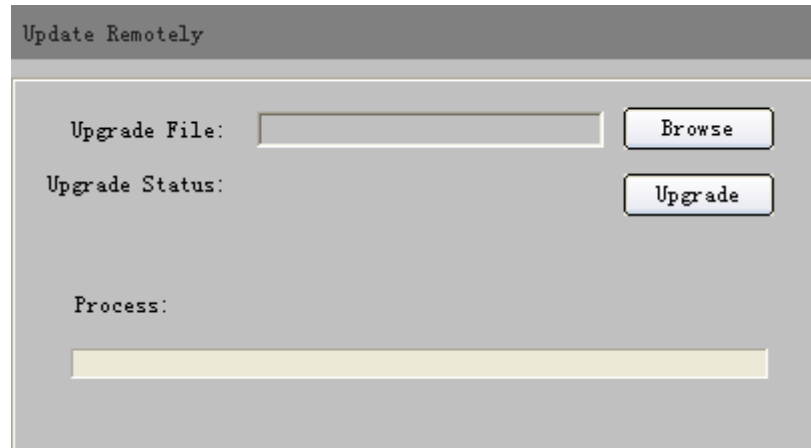


Fig 5.46

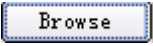

5.2.6.4 Update Remotely

Select  Update Remotely to enter configuration interface. Shown as Fig 5.47.



The image shows a window titled "Update Remotely". Inside the window, there are three sections. The first section is labeled "Upgrade File:" and contains a text input field followed by a "Browse" button. The second section is labeled "Upgrade Status:" and contains an "Upgrade" button. The third section is labeled "Process:" and contains a large, empty rectangular box.

Fig 5.47

Click  to find path for update file and click  to start updating.